

APPARATUS AND METHOD FOR TESTING A RECUPERATOR CORE FOR LEAKAGE

A recuperator core has a plurality of passages sealingly formed therein. In use, a fluid passes through a respective one of the plurality of passages under pressure. The recuperator core must be tested to determine an operational efficiency or leakage within the respective plurality of passages. A pair of sealing mechanisms are positioned at a respective one a pair of ends of the respective one of the plurality of passages. A pressure or a vacuum is pulled across the respective ones of plurality of passages and a rate of leakage or decay rate is monitored to define an operational recuperator core and a failed recuperator core.